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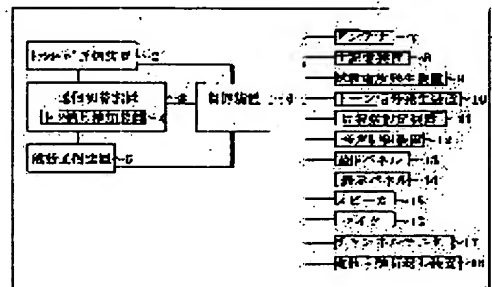
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## (54) CELLULAR TELEPHONE SET WITH AUTOMATIC COMMUNICATION SWITCHING FUNCTION

### (57)Abstract:

PROBLEM TO BE SOLVED: To automatically switch from telephone communication to transceiver communication by detecting response of a telephone set at a receiving side for testing radio wave from a telephone set at a transmitting side.

SOLUTION: A tone signal corresponding to frequency and the tone signal for automatic loop back control of radio wave are generated by a tone signal generator 10 and the signals are automatically originated by a telephone communication device 5. Corresponding frequency is simultaneously set to a transceiver communication device 2. In addition, the frequency is similarly set to a telephone set at the other party, an automatic loop back device 18 of radio wave is activated and automatic loop back of the radio wave is set. Then, the testing radio wave is transmitted from a radio wave generator 9, the radio wave received by the telephone set at the receiving side is converted into the tone signal for switching and controlling communication by a tone signal generator 10 and the converted signal is returned to the telephone set at the transmitting side by the telephone communication device 5. The control signal is detected by a tone signal detector 4, originated to the telephone set at the receiving side and the telephone communication device 5 is cut and automatically switched to the transceiver communication by a communication switching device 3 received a control signal from the detector 4.



### LEGAL STATUS

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